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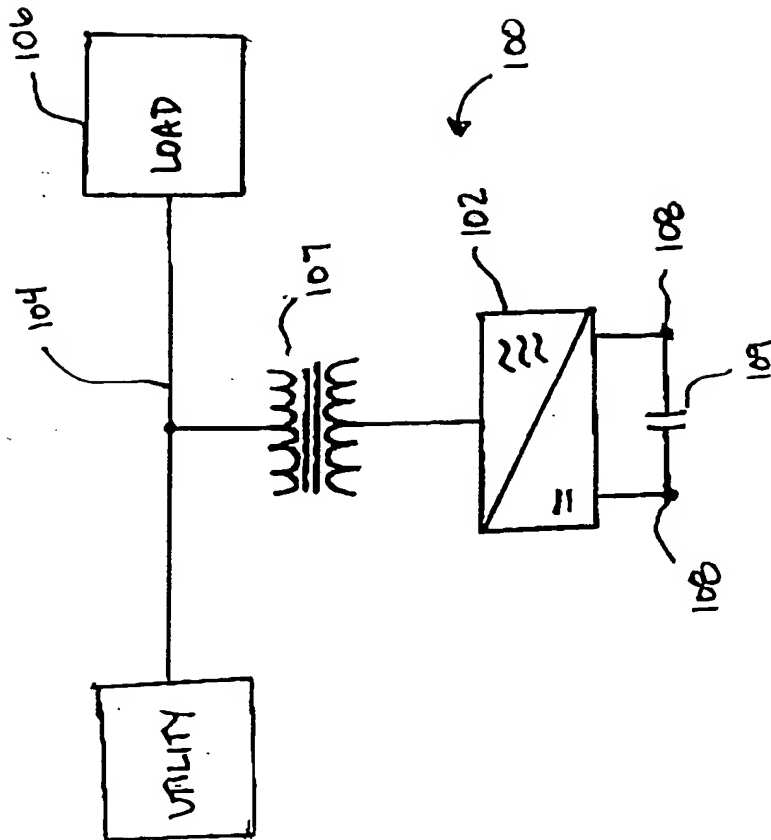


FIG. 1A

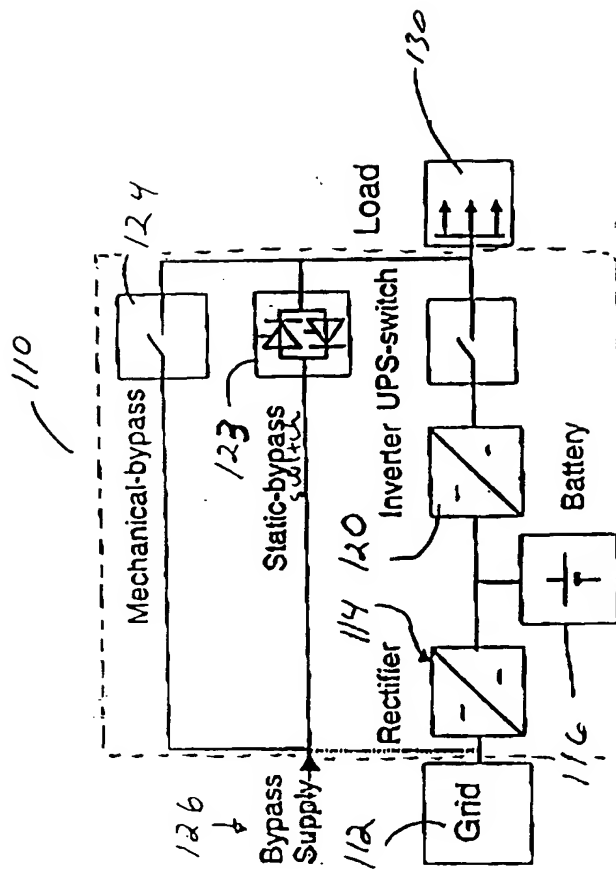


FIG. 1B

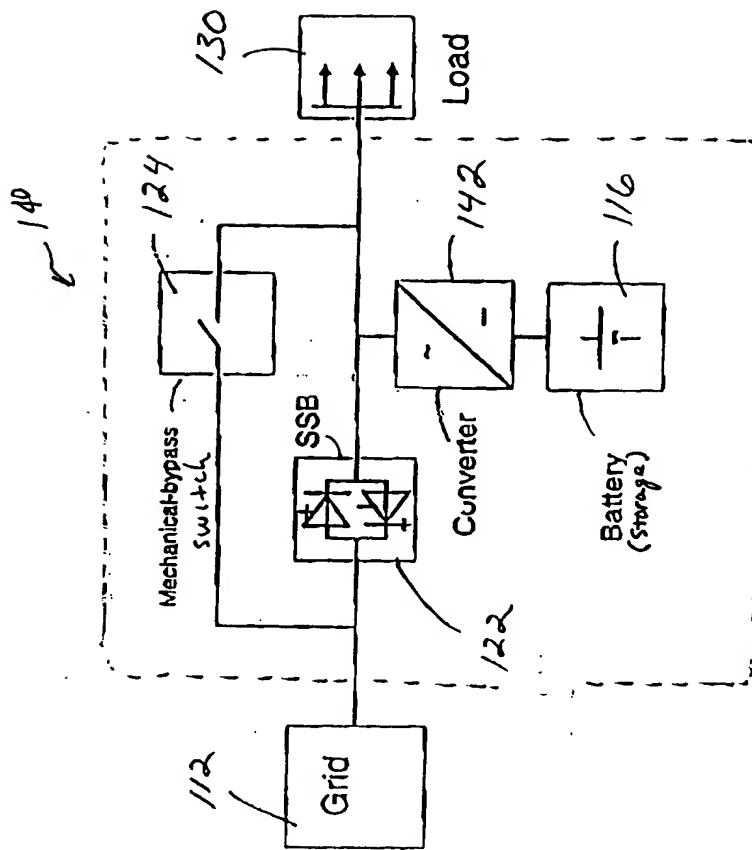


FIG. 1C

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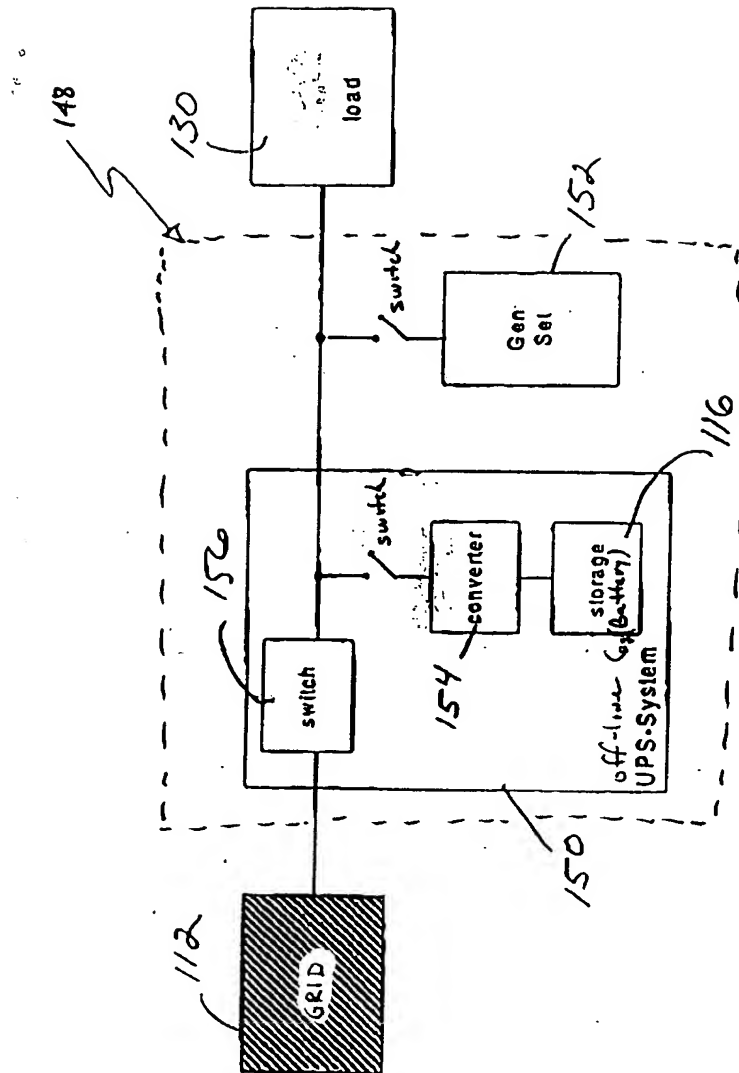


FIG. 2

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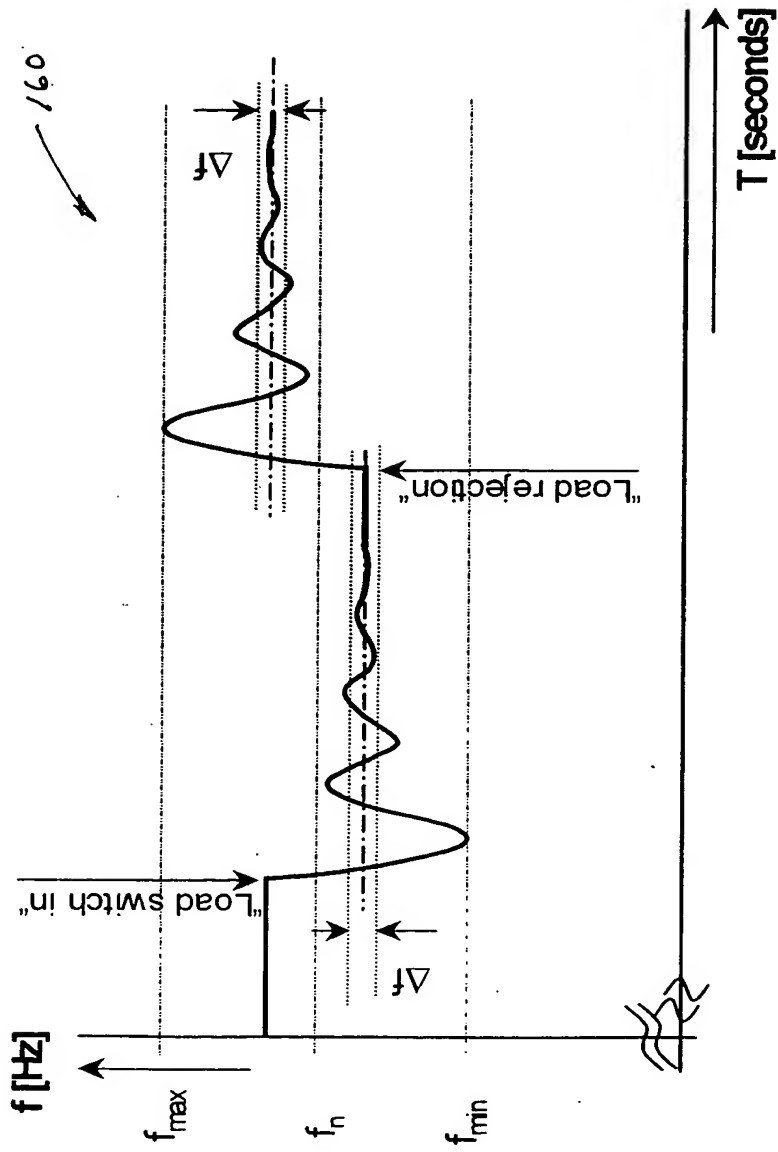


FIG. 3

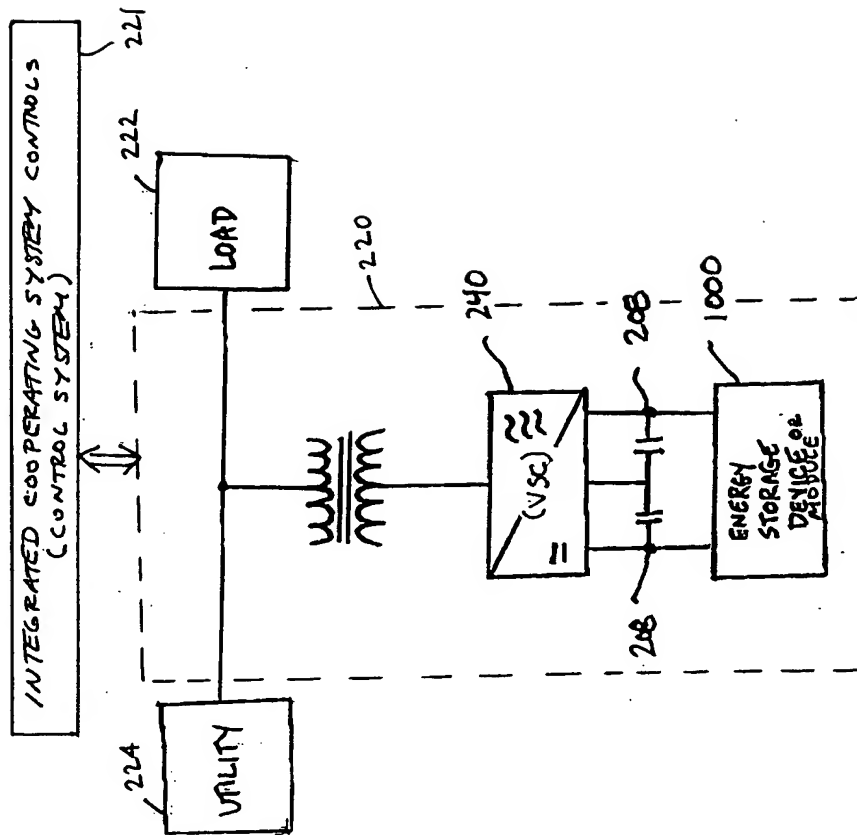


FIG. 4A

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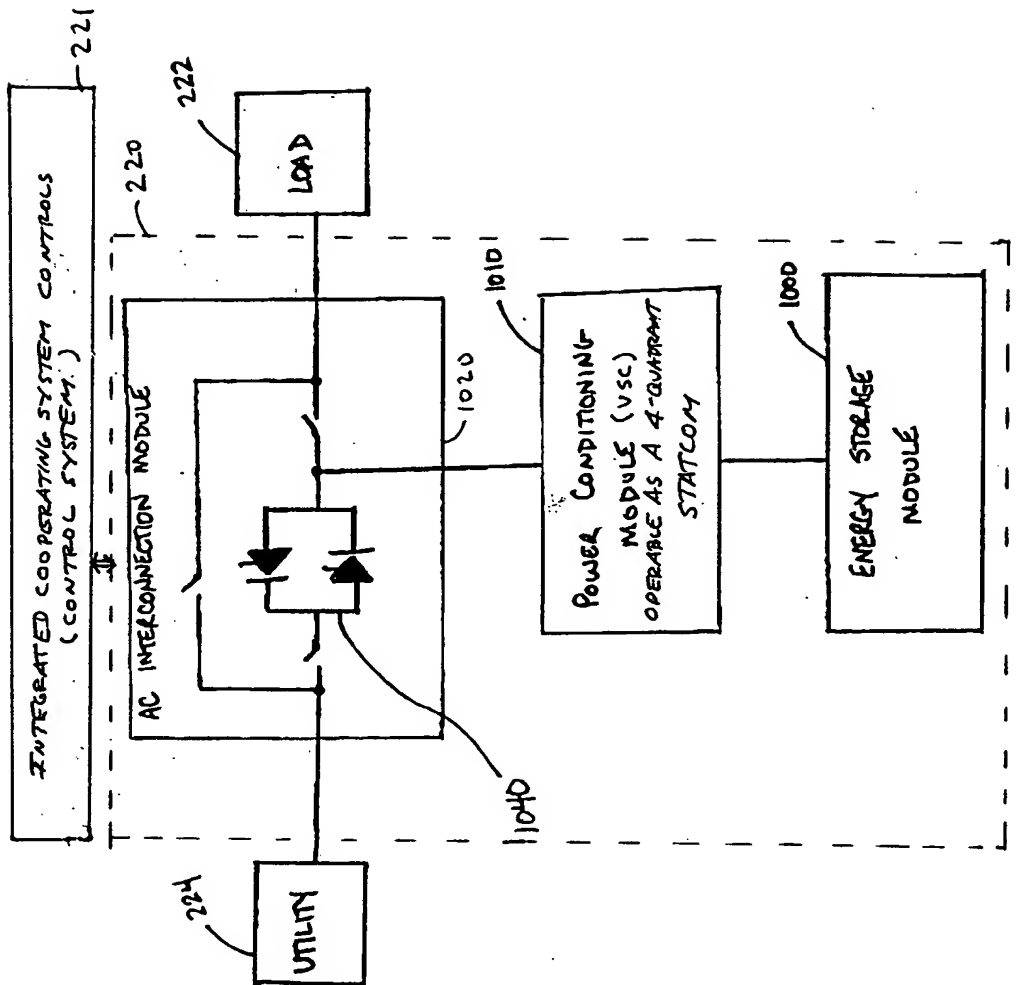


FIG. 4B

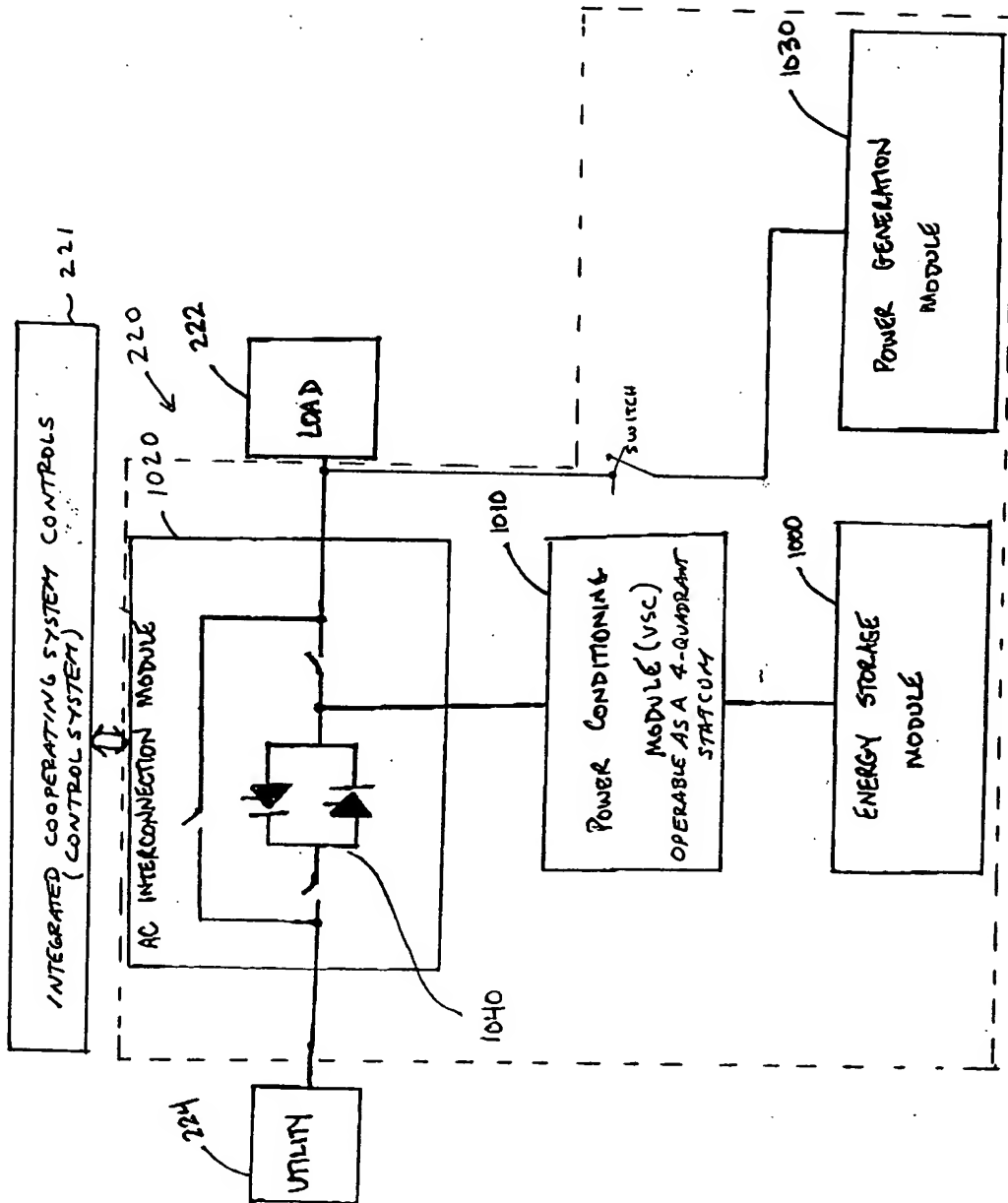


FIG. 4C

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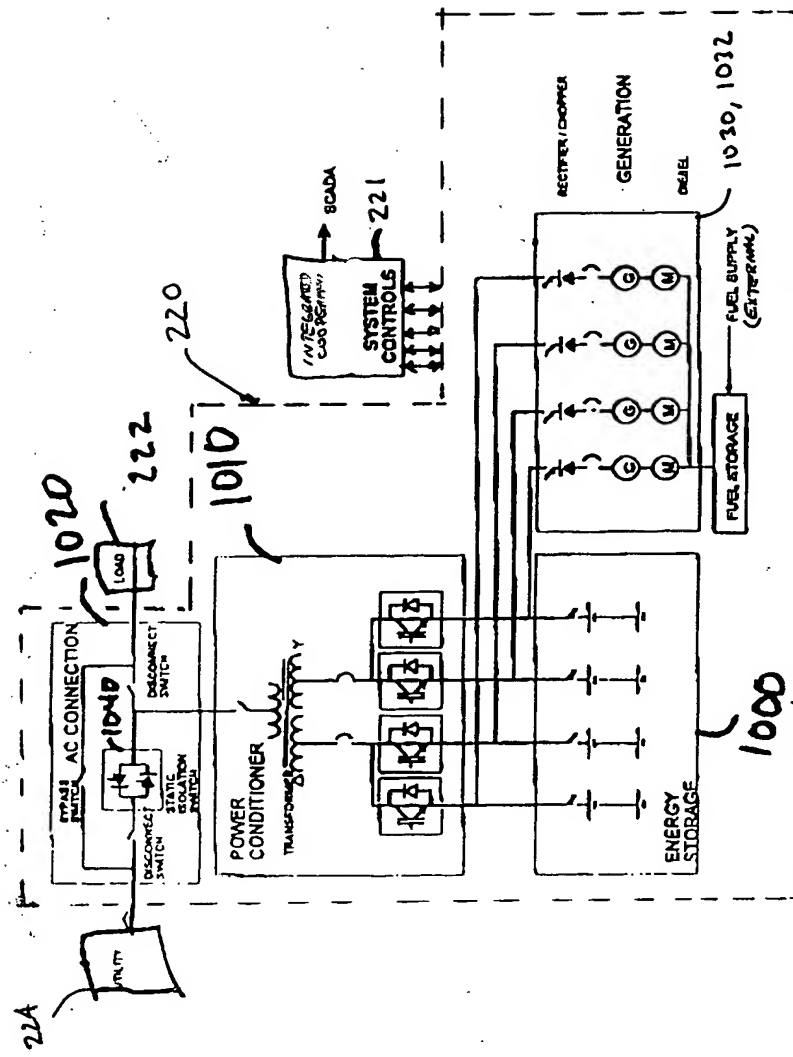


FIG. 5

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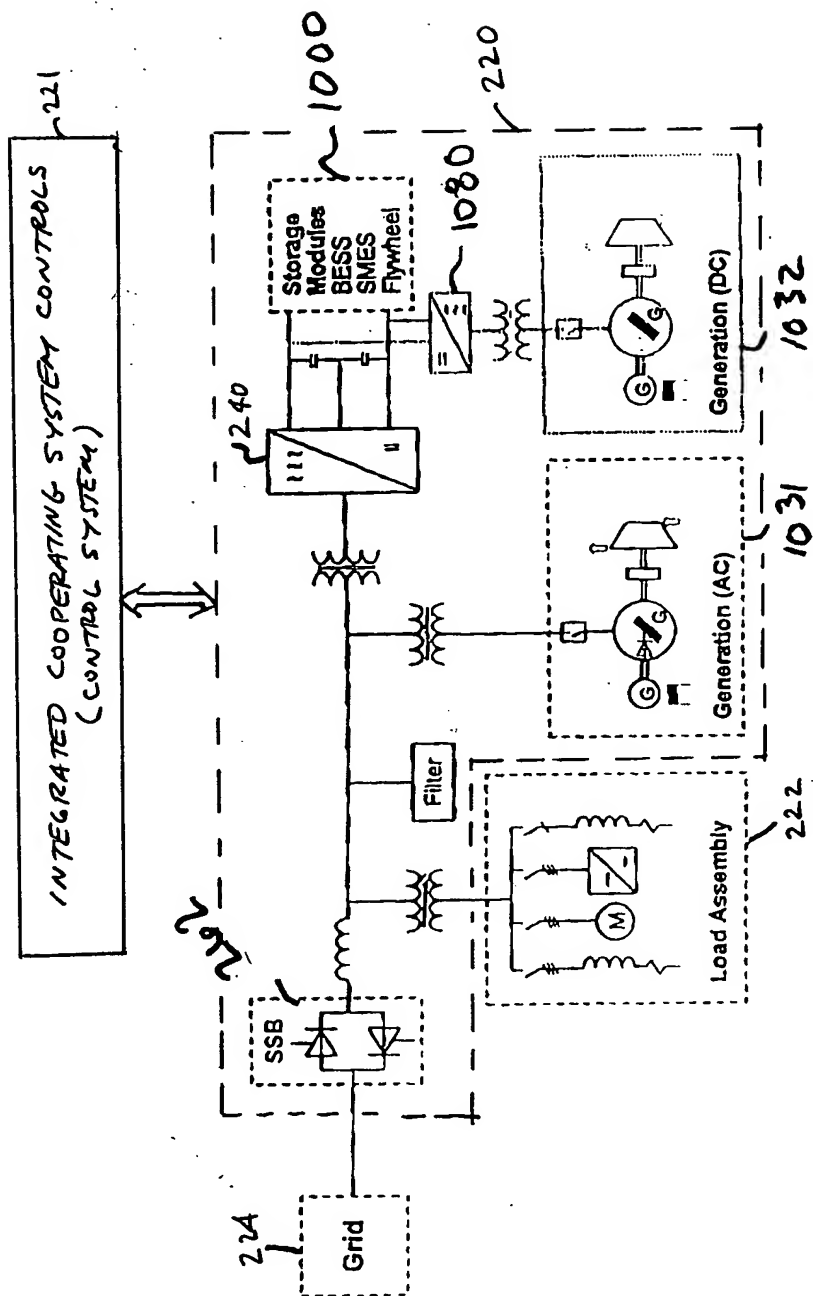
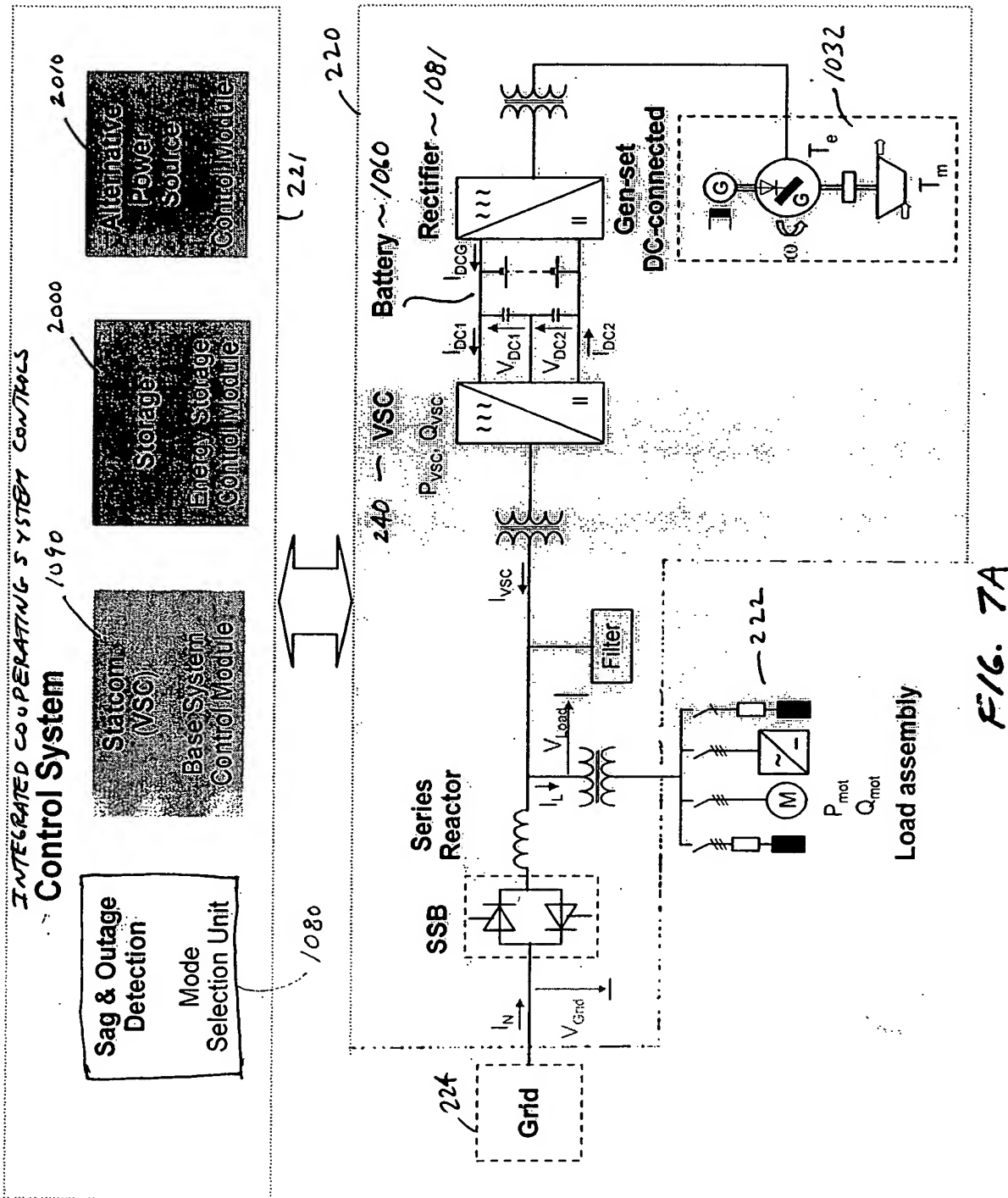


FIG. 6



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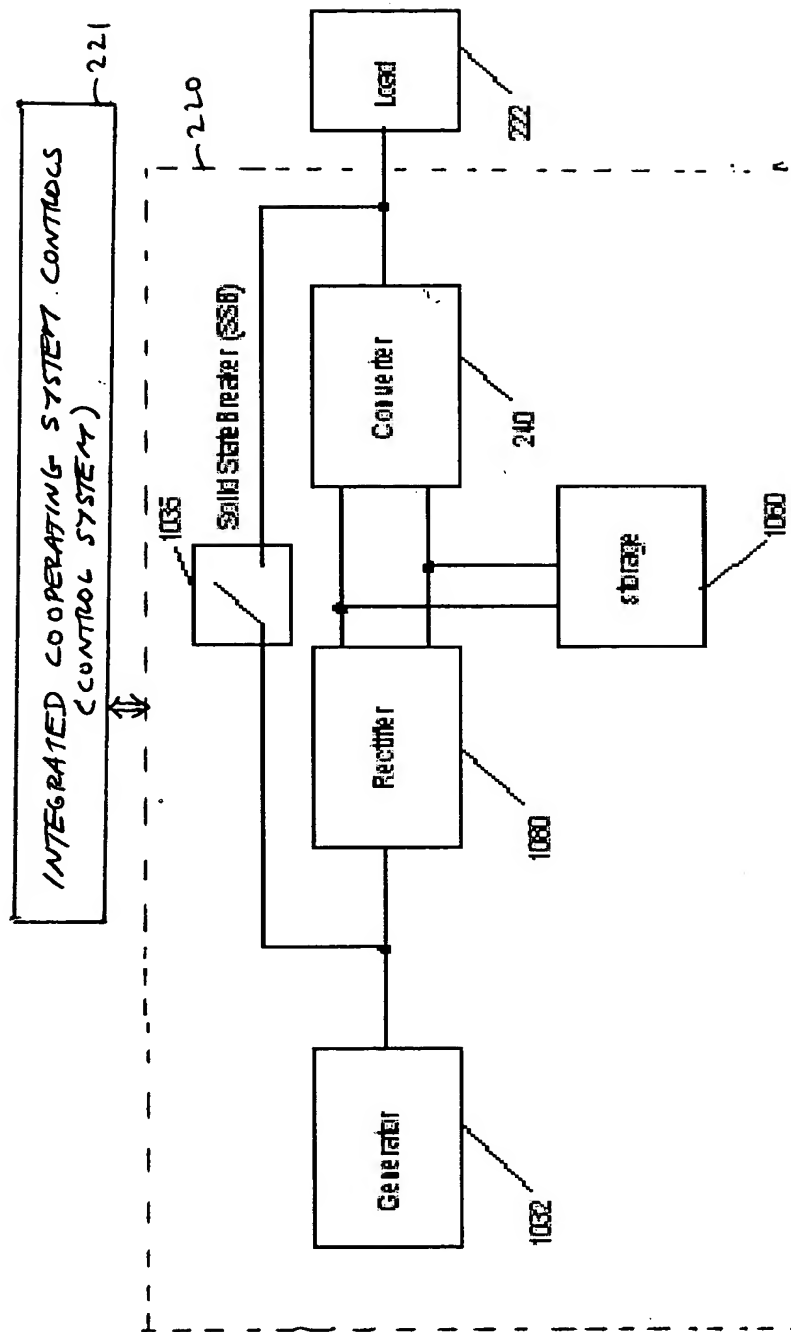


FIG. 7B

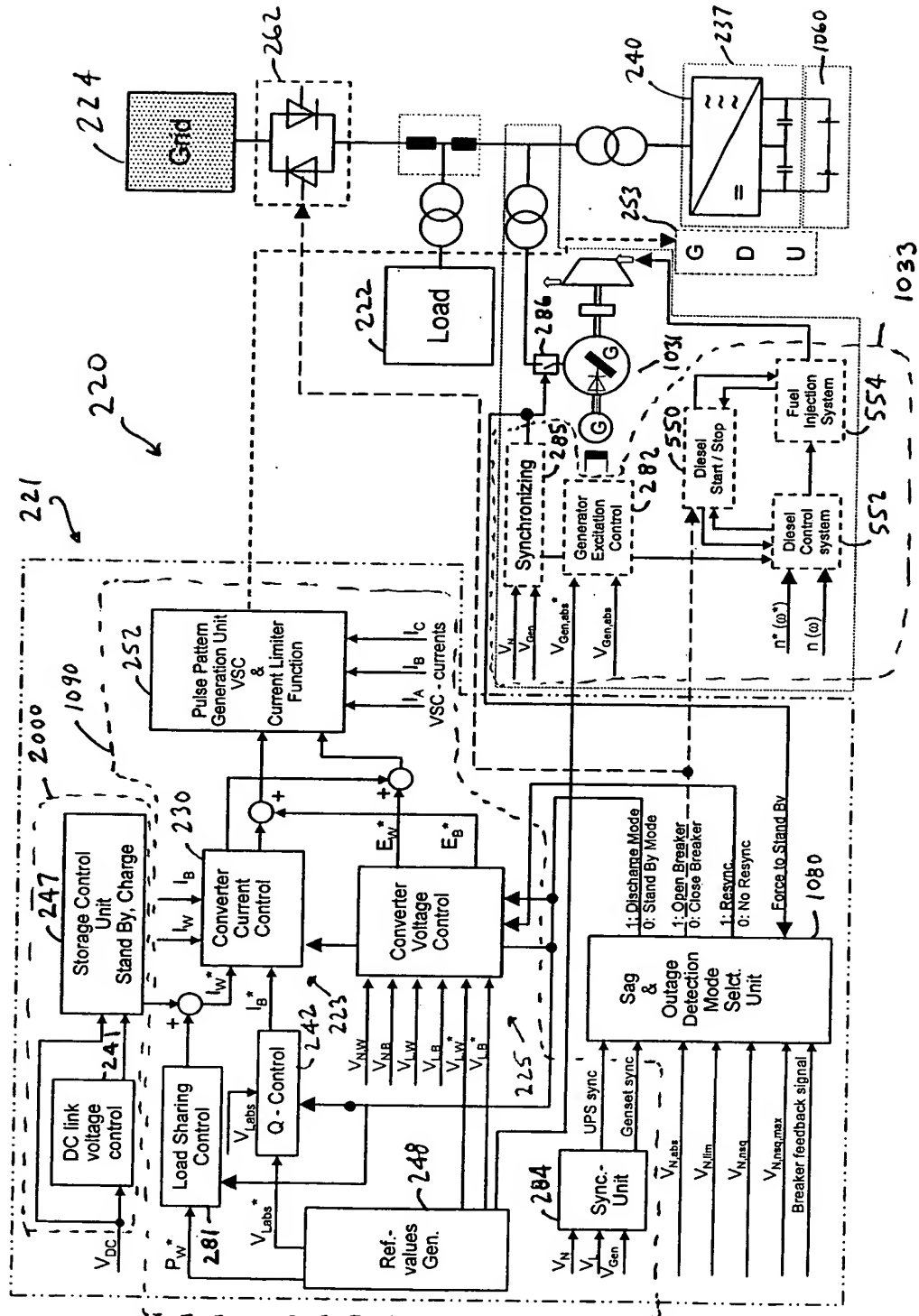


FIG. 8A

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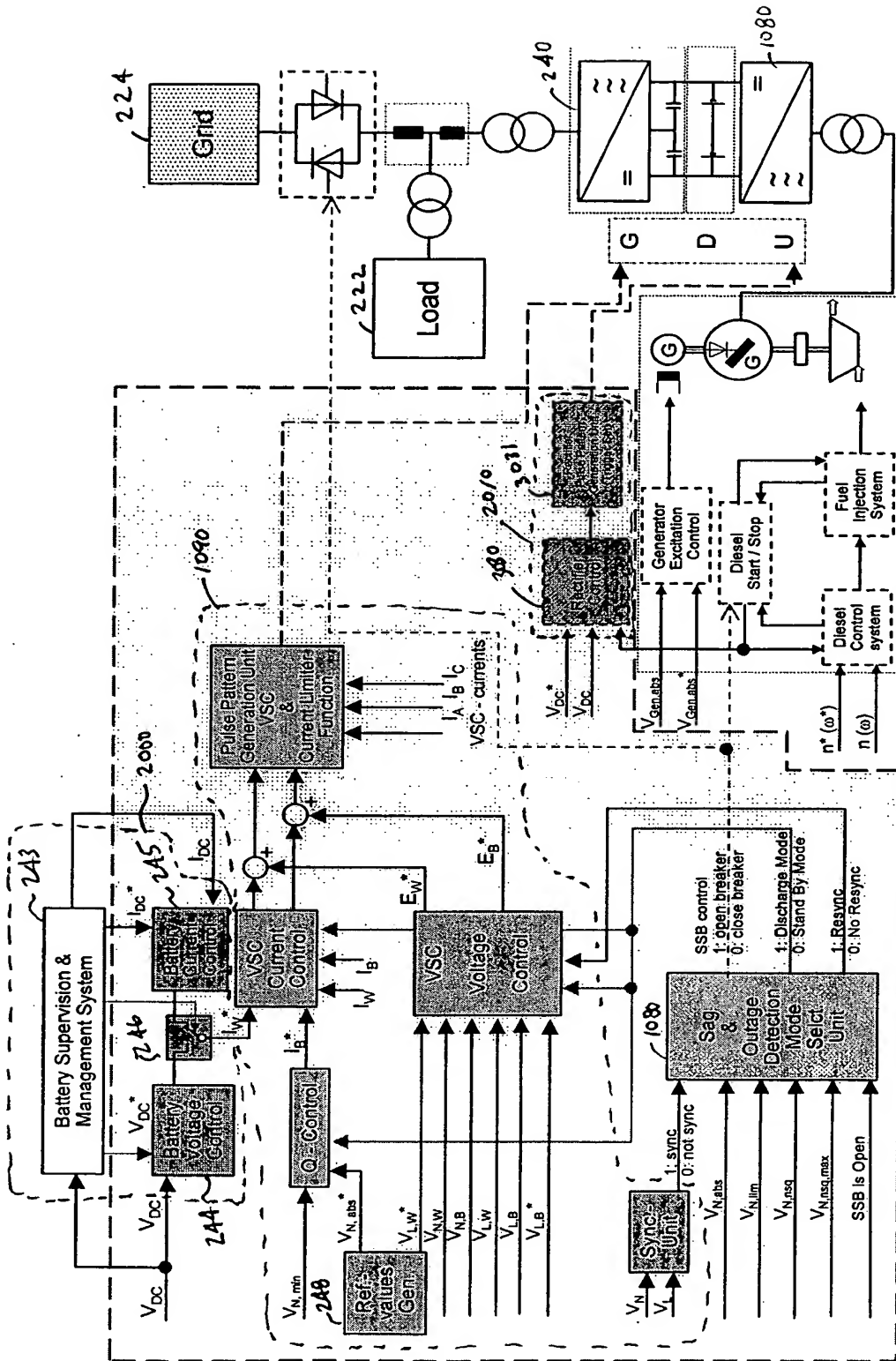
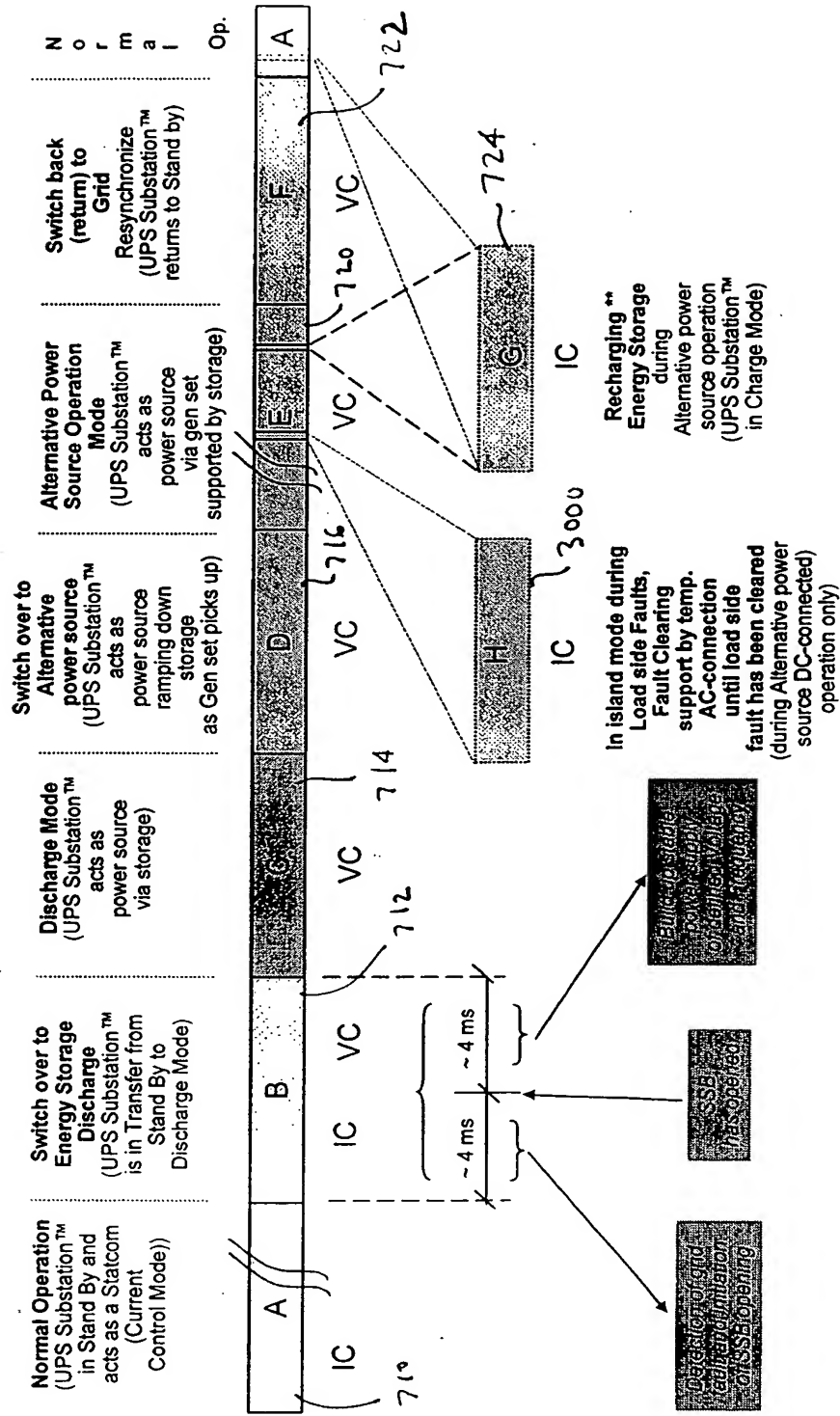


FIG. 8B

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** recharging may also take place during other periods

FIG. 9B

IC Current Control
VC Voltage Control

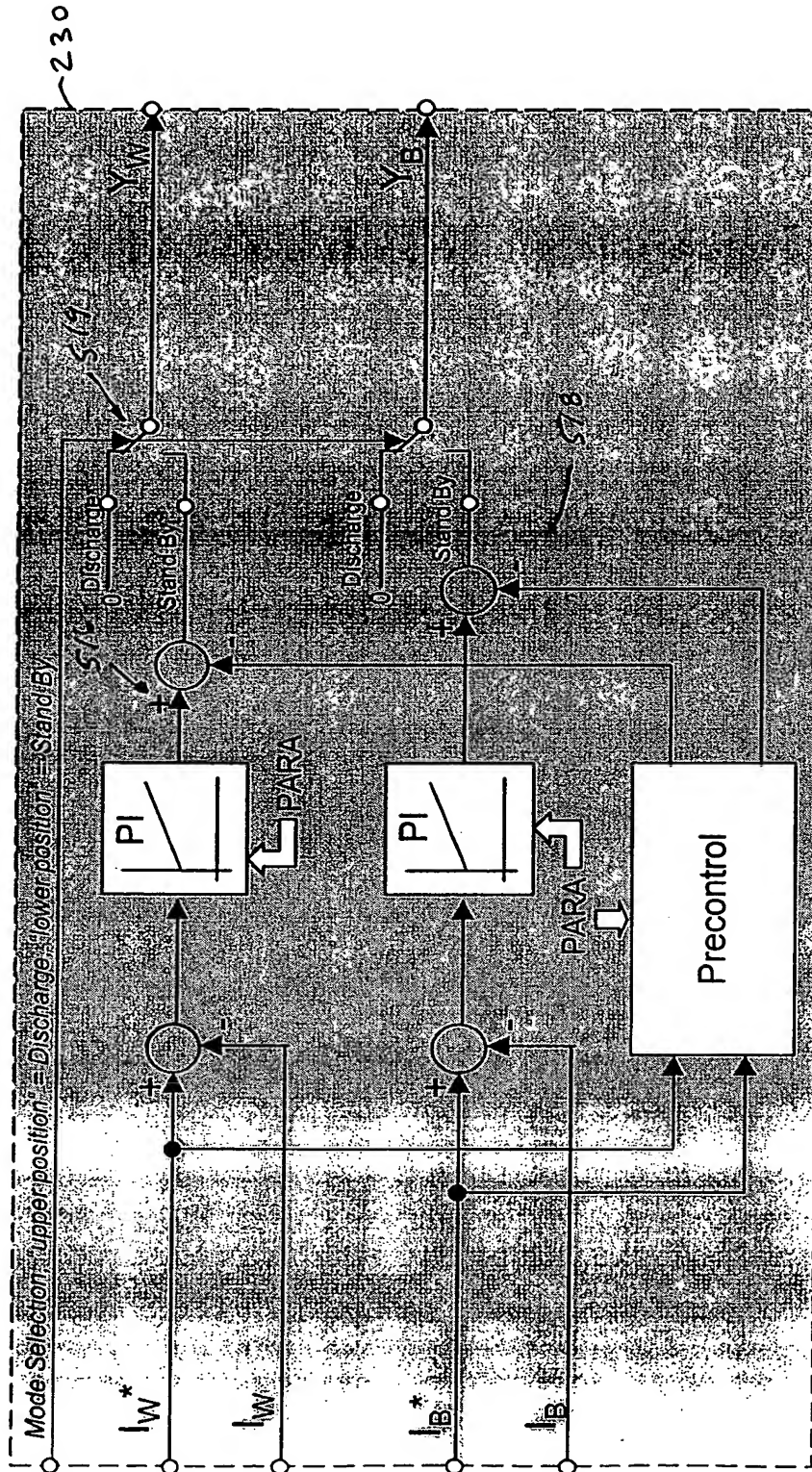


FIG. 10

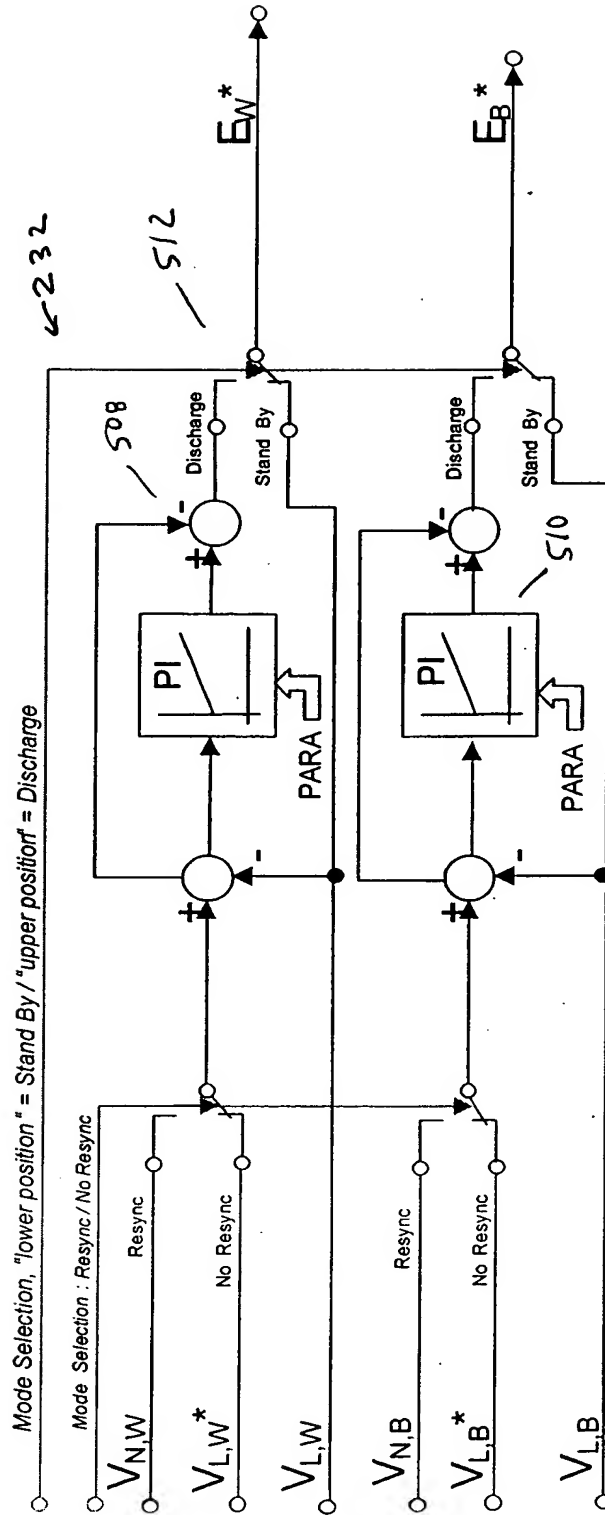
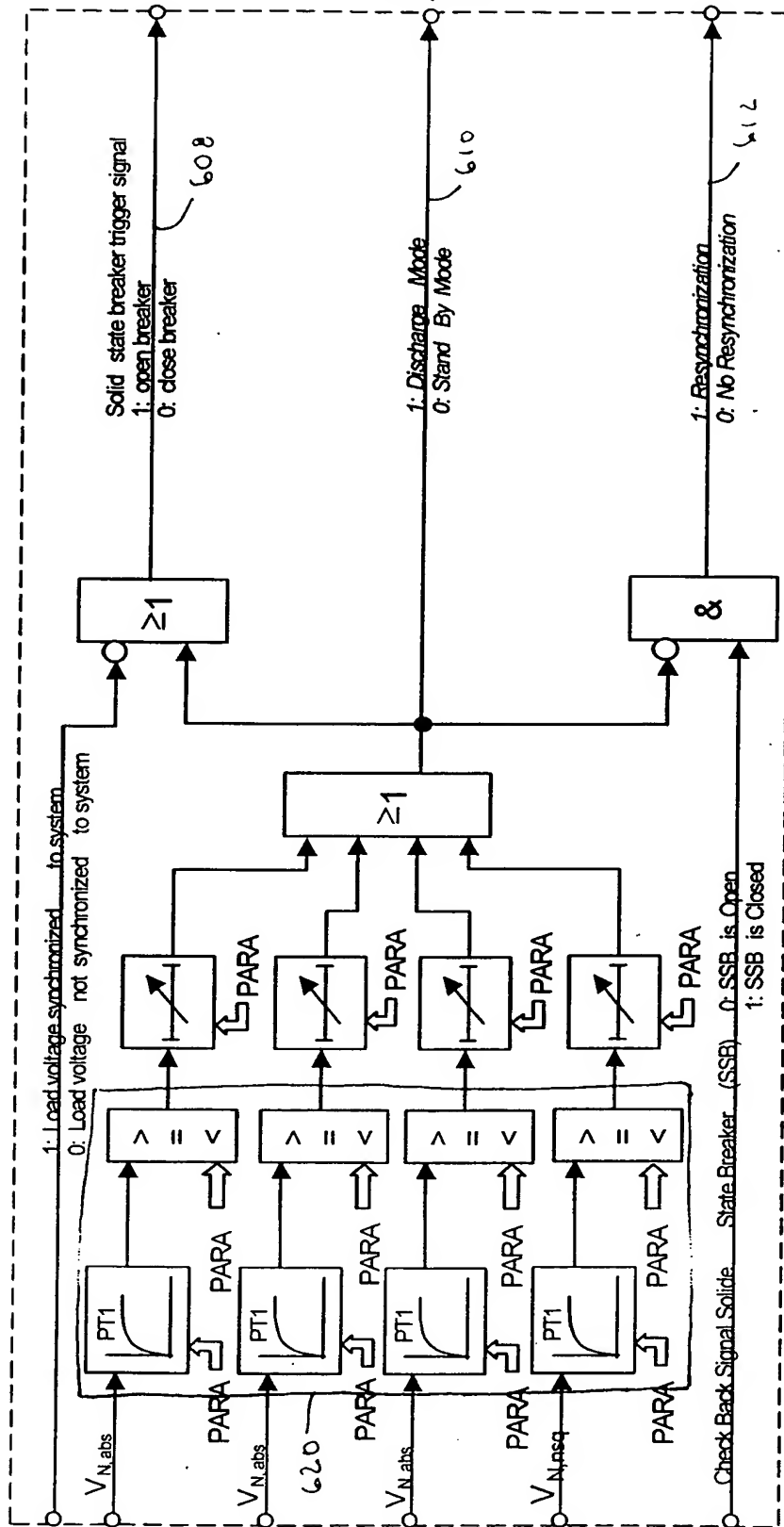


FIG. 11

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FIG. 12

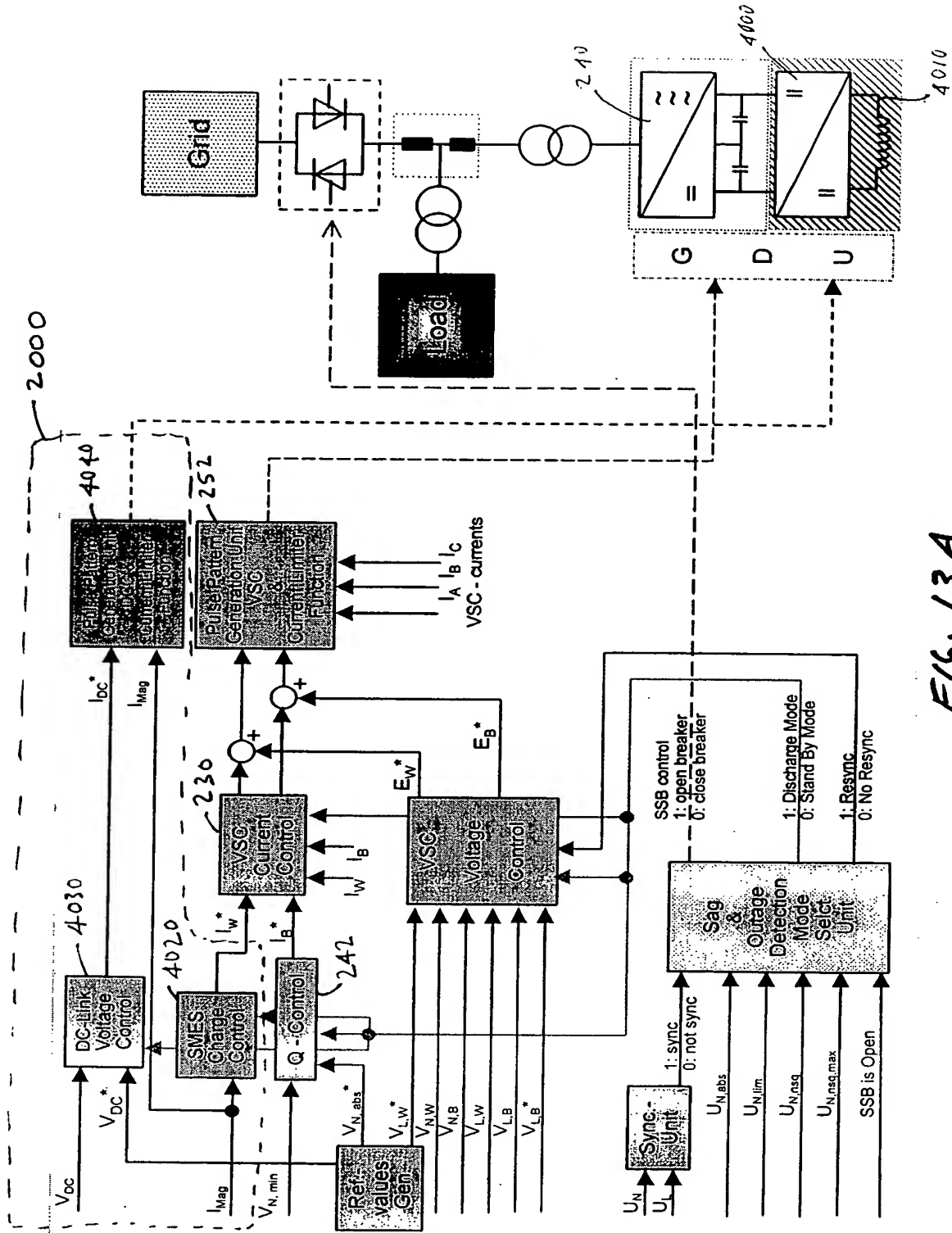


FIG. 13A

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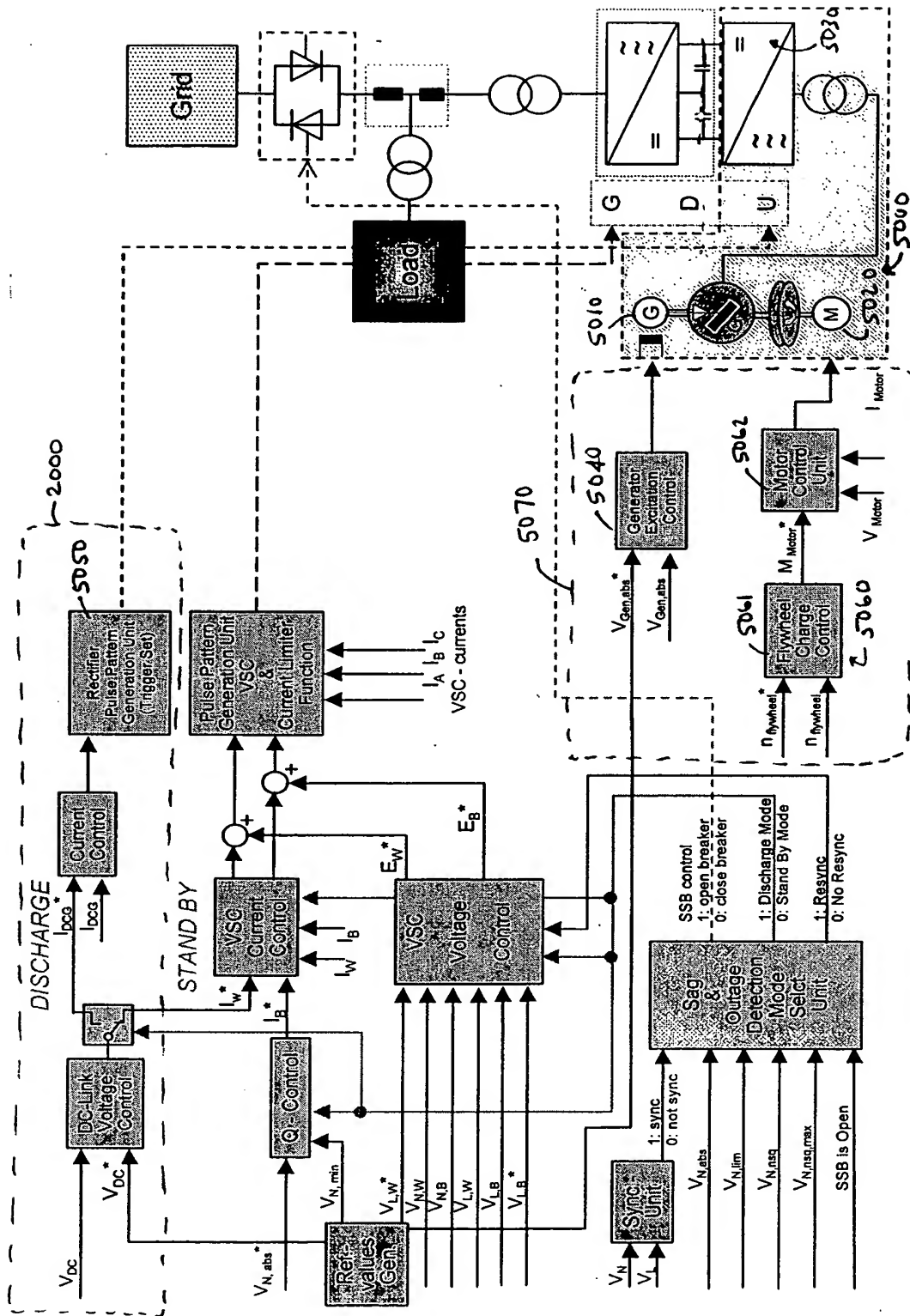


FIG. 13B

FIG. 14 A

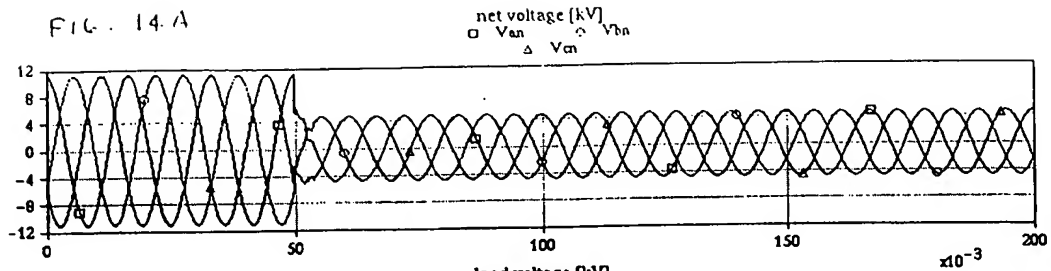


FIG. 14 B

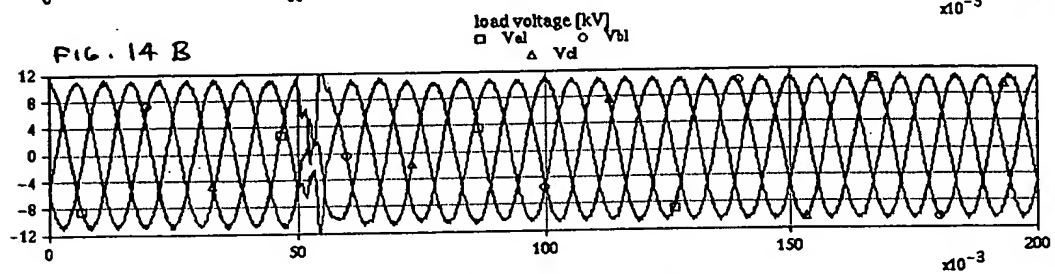


FIG. 14 C

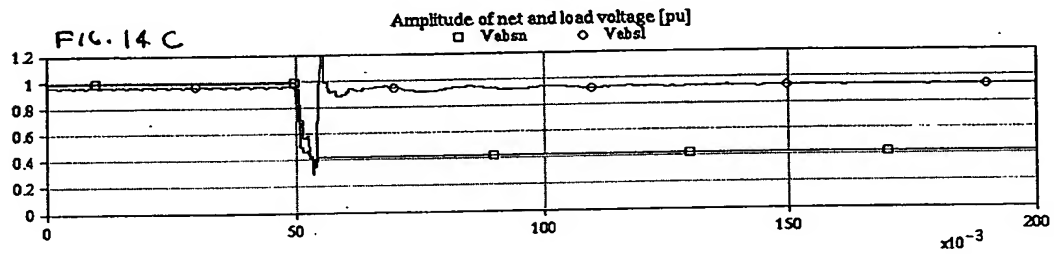


FIG. 14 D

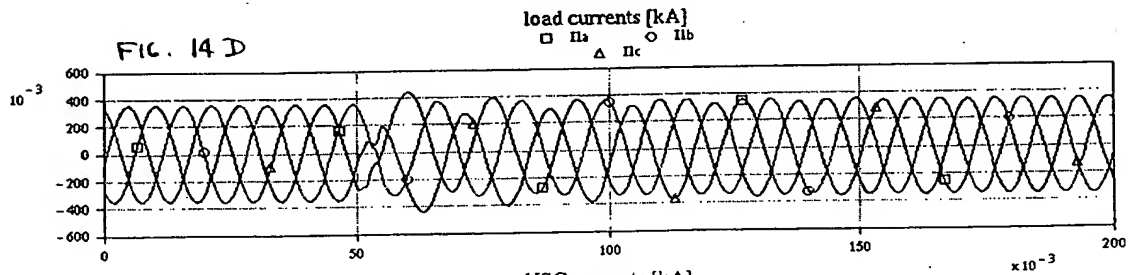


FIG. 14 E

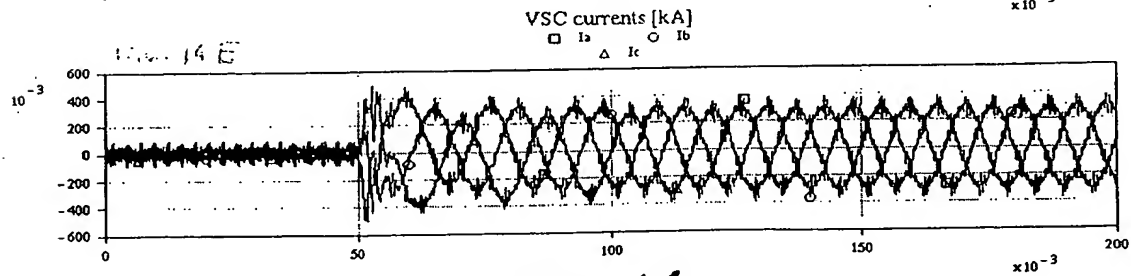


FIG. 14

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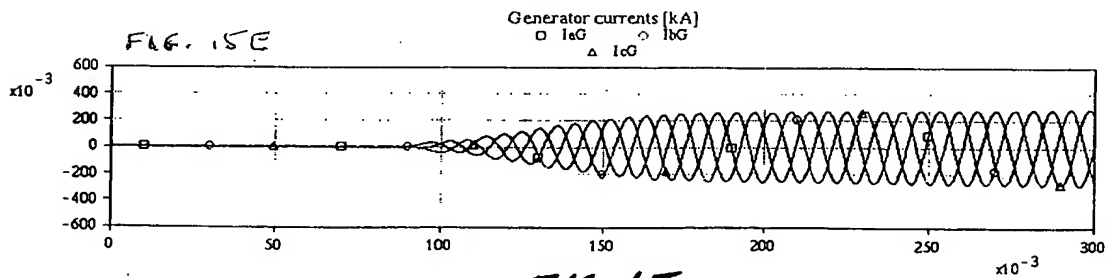
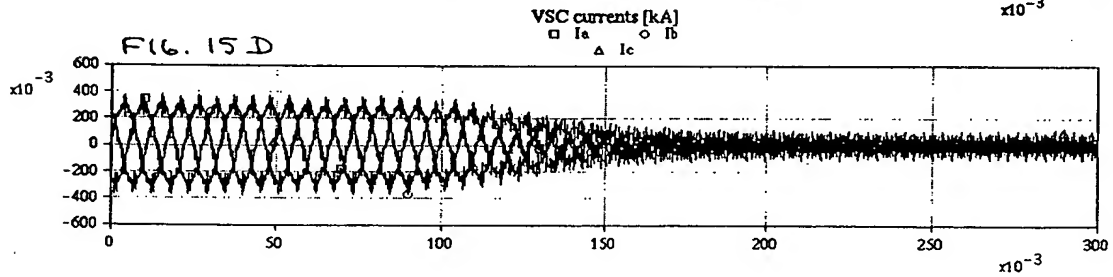
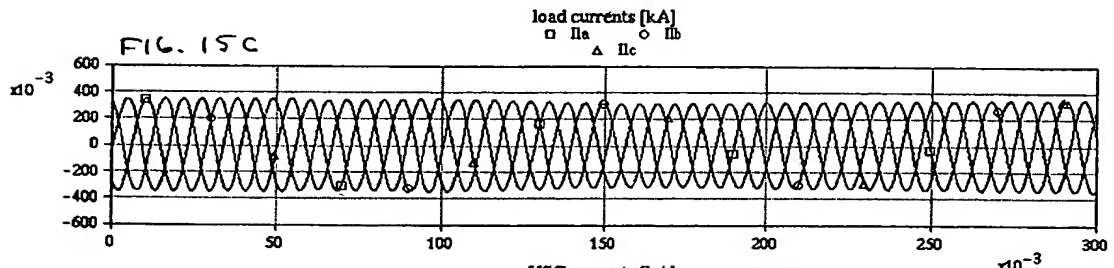
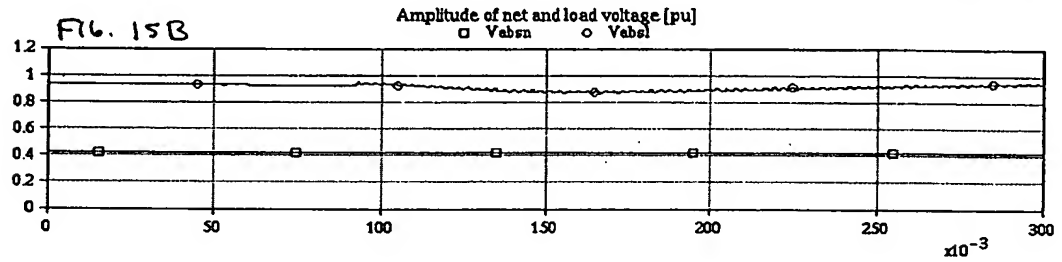
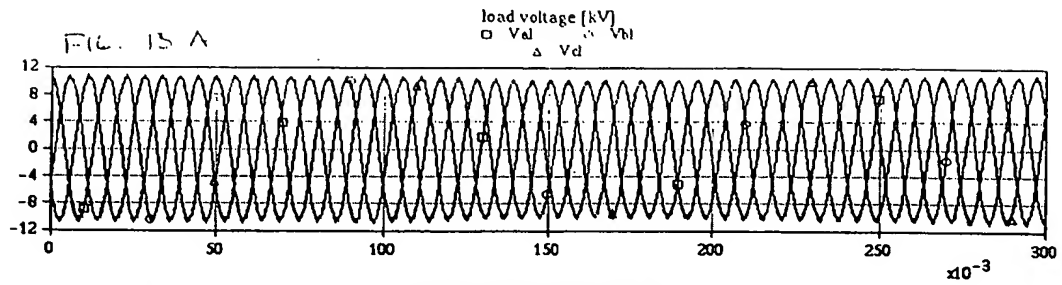


FIG. 15